

# The role of the skeletal muscle in the early onset of the metabolic syndrome : a nutrigenomics approach

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## Stellingen

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### The role of the skeletal muscle in early-stage metabolic syndrome A nutrigenomics approach

1. Adaptation to a high fat diet is a matter of days, losing the fat may take disproportionately longer. (*This thesis*)
2. Aging affects the muscle transcriptome more than a high fat diet does. (*This thesis*)
3. The role of mitochondria in development of insulin resistance is questionable. (*This thesis*)
4. Characteristics of embryogenic tissue are reflected in the adult mouse muscle. (*This thesis*)
5. Cellular triglyceride accumulation itself is not initially toxic (*L.L. Listenberger. Proc Natl Acad Sci U S A. 2003 Mar 18; 100(6): 3077-82.*)
6. No data processing or elegant protocol can substitute for the requirement of multiple (at least two) independent determinations of the expression intensities. (*J. Claverie. Hum Mol Genet. 1999; 8(10): 1821-1832*)
7. The road from genotype to phenotype is more complex than ever. (*based on G. Sriram. Am J Hum Genet. 2005; 76(6): 911-921*)
8. De toekomstige stand van wetenschappelijke kennis valt niet te voorspellen. (*gebaseerd op K. Popper 1902-1994*)
9. Hoe beperkter je zicht, hoe groter de wil om te zien. (*A. Japin, 1997*)
10. A life without travel is like reading a book without turning a page. (*St. Augustine 354-430*)
11. Today is a gift, that's why it's called present. (*Alice Morse Earler, 1902*)

Janneke de Wilde, 17 december 2010